Constant Voltage Rotary RGB Controller - User Manual

Item no.: LC-010-013

1. Brief Introduction

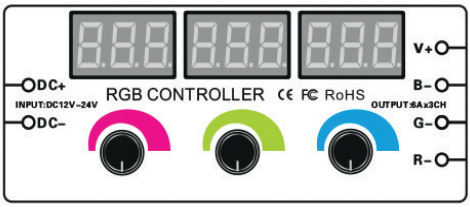
It is a universal high-performance power controller for entire color changing which adopted PWM(Pulse-Width-Modulation) controlling technology. Controls all common anode 4-pin 3-loop full color LED lights such as: RGB full color LED module, LED strip, LED SMD tape and so on.

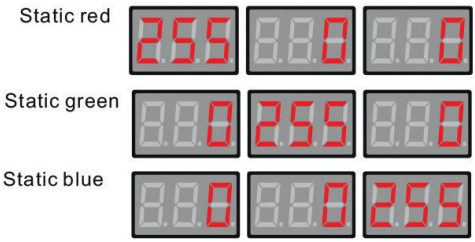
2. Specification

Input voltage	DC12V-DC24VDC
Output power	3 x 6A (216W/12V) oder (432W/24V)
Dimension (L x B x H)	176 x 46 x 30mm
Weight	160g

3. Function and Features

3.1. Three dimming rotary knobs DIY your favorite color. Lamplight soft and stable, without flickers.





3.2. Over-current protection, Short-circuit protection

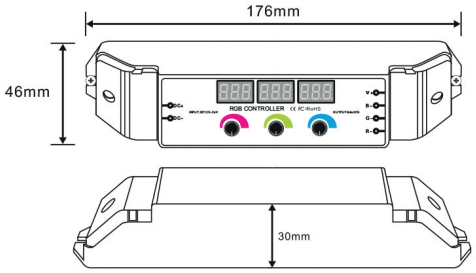
When it is overload or short-circuits, the controller automatically stop output, LED display twinkles and shows: "ERR", as below:

3.3. Work with power repeater, the power can be amplified unlimitedly.
3.4. Power loss memory function.

4. Safety Warnings

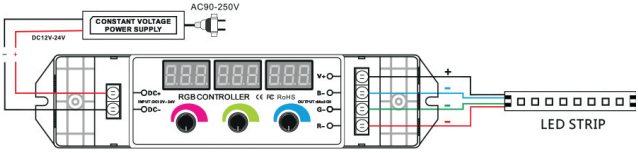
4.1. To avoid installed the product in minefield, strong magnetic field and high voltage area.
4.2. To ensure the wiring is correct and firm avoiding short circuit damages to components and cause fire.
4.3. Please install the product in a well ventilated area to ensure appropriate temperature environment.
4.4. The product must be worked with DC constant voltage power supply.
Please check the consistence of input power with the product, if the output voltage of the power comply with that of the product.
4.5. Connect the wire with the power on is forbidden. Ensure proper wiring first then check to ensure no short-circuit, then power on.
4.6. Don't repair it by yourself whenever an error occur. Contact the supplier for any inquiry.

5. Dimension

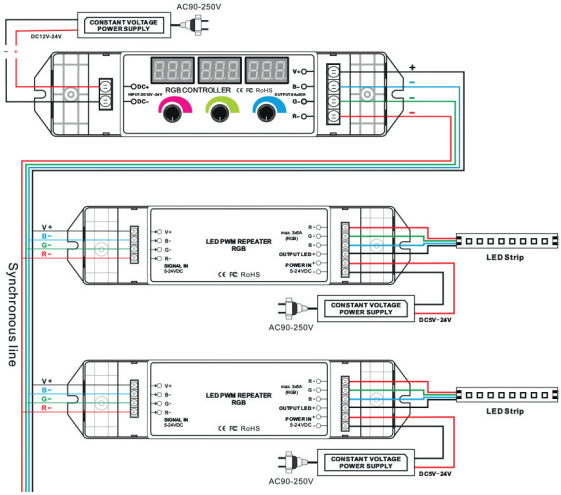


6. Conjunction Diagram

6.1. Conjunction diagram of LED constant voltage strip



6.2. Connect to power repeater (the controller and the amplifier can share the same power supply)



7. Kindly Reminder

7.1. Power source must be DC constant voltage type of power supply. Due to the efficient output in some power supplies are only 80% of total, so please select at least 20% higher output power supply than the consumption of LED lights.